

CLAIMS:

1. A system of panels for suspended ceilings or the like comprising

- 5 (a) one or more row(s) (R1, R2) of panels (2);
(b) a suspension and guide system for said panels (2),

where said suspension and guide system is adapted for suspension and guiding of the panels (2) in such a manner that at least some of the panels of a given row (R1, R2 ...) can be moved from a first level to a second level, in which latter level the panels can be displaced along panels situated at the first level, thereby providing access through the system of panels,

characterised in that said suspension and guide system comprises holder means (15) located at predetermined positions along the longitudinal extension of the rows for releasable engagement with mating means (9) provided on the panels (2) for holding the panels (2) at fixed positions along the corresponding row, when the panel (2) is located at the first of said levels, and that said suspension and guide system furthermore comprises rail means (3') for displaceable engagement with mating means (10) provided on the panels, such that the panels, when located at the second of said levels, can be displaced in the longitudinal direction along the rows.

2. A system of panels according to claim 1, characterised in that an intermediate channel (3) is provided between adjacent rows of panels (2).

3. A system of panels according to claim 1, characterised in that adjacent rows of panels (2) are substantially adjoining each other.

30 4. A system of panels according to claim 1, 2 or 3, characterised in that the panels when located at said first level are located at a fixed position in the longitudinal direction of the corresponding row.

5. A panel for use in a system of panels according to any of the preceding claims 1 to 5, comprising a substantially rigid frame (6, 12) characterised in that the frame is

provided with holder means (9) for releasable attainment of the panel to a suspension and guide system and displacement means (10) allowing displacement of the frame (6, 12) relative to the system.

5 6. A panel according to claim 5, characterised in that said holder means are formed as a pattern of protrusions provided on two opposing longitudinal edges of said frame.

10 7. A panel according to claim 5, characterised in that said holder means are provided by end portions of laterally extending beams connecting the two opposing longitudinal edges of said frame.

15 8. A panel according to claim 5, characterised in that said displacement means are rail wheels (10) attached to the lateral portions (4) of the frame.

9. A panel according to claim 5, characterised in that said frame defines a region which is covered by a material (8) thus forming the main portion of the surface of the panel.

20 10. A panel according to claim 9, characterised in that the material of flexible sheet is glass fibre.

11. A panel according to claim 5, characterised in that the panel is provided with one or more further layers (14) of material above said sheet (8).

25 12. A panel according to claim 5, characterised in that it comprises corner portions (13) for releasable attachment to the lateral portions (4) and end portions (12) of the frame.

30 13. A panel according to claim 9, characterised in that said covering material (8) is releasably attached to the frame (4, 12) by attachment means comprising a dovetail slot (18) extending along a lateral portion of the frame (4, 12) and a correspondingly shaped resilient clip (19), whereby the fabric (8) will become clamped between the surface of the dovetail slot (18) and the clip (19) after insertion of the fabric into the slot (18) and introduction of the clip in the slot above the fabric.

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14. A panel according to claim 9, characterised in that said covering material (8) is releasably attached to the frame (4, 12) by attachment means comprising a slot extending along a lateral portion of the frame (4, 12), said slot provided with serrated
5 side surfaces (21) for engagement with a correspondingly shaped clip (22), whereby the fabric (8) will become clamped between the serrated surfaces of the slot and the clip (22) after insertion of the fabric into the slot and introduction of the clip in the slot above the fabric.
- 10 15. A panel according to claim 9, characterised in that said covering material (8) is releasably attached to the frame (4, 12) by attachment means comprising a slot extending along a lateral portion of the frame (4, 12), said slot being of a substantially cylindrical cross section and accommodating a substantially cylindrical
15 retainment member (24) the diameter of which is less than that of the cylindrical slot, where said retainment member (24) on the circumferential surface hereof is provided with a plurality of radially extending notches (25) for engagement with a protrusion (26) on an edge of said slot, whereby the fabric can be clamped between the inner surface of the cylindrical slot and the outer surface of the cylindrical
20 retainment member (24), and where the fabric can be tensioned by rotating the retainment member (24) within the slot.
16. A panel according to claim 15, characterised in that said cylindrical retainment member (24) is provided with a knurled circumferential surface.
- 25 17. A panel according to claim 15, characterised in that the cylindrical retainment member (24) is provided with at least one notch (40) extending from the circumferential surface of the cylinder (24) to a central region (41), whereby fabric (8) can be introduced via said notch (40) and into the central region (41), which can accommodate a certain amount of fabric.
- 30 18. A panel according to claim 9, characterised in that the frame at least along portions of the periphery of the frame is provided with laterally displaceable attachment members (44, 46) accessible from outside the frame for attachment of the fabric (8) to the frame, where a lateral displacement of said members (44, 46)

away from the corresponding edge portion (5) of the frame results in tensioning of the fabric (8) across the open region of the frame.

5 19. A panel according to claim 18, characterised in that said laterally displaceable member comprises a guide portion (44) to be guided within a guide channel (45) in the frame and an attachment portion (46) for attachment of the fabric (8) to the displaceable member.

10 20. A panel according to claim 19, characterised in that said fabric (8) is releasably attached to said attachment portion (46) by means of a resilient clip (47).

15 21. A panel according to claim 18 or 19, characterised in that said laterally displaceable member (44, 46) is pre-tensioned away from said corresponding edge portion (5) of the frame.

20 22. A panel according to claim 18, characterised in that the shape of said laterally displaceable member (44, 46) is such that spacer means 49 can be inserted between the laterally displaceable member (44, 46) and the frame in order to limit the displacement of the member (44, 46) during mounting of the fabric (8).